Developmental Medicine and Child Neurology

Volume 11 1969

INDEX

Authors and subjects of articles in the body of the Journal are indexed together. Abstracts are included in the general index and listed under both subjects and authors, with '(abstr.)' at the end of the title. Letters to the Editor are indicated by the symbol '(L)'.

KEY TO ISSUES AND PAGES

Issue	*Pages*	*Issue*	*Pages*
No. 1	1–134	No. 4	411–544
No. 2	135–276	No. 5	545–690
No. 3	277–410	No. 6	691–832

Abnormalities, congenital, epidemiology of stillbirth from, in England and Wales, 1961–1966, 617

ABRAMS, A. L.: Delayed and irregular maturation *versus* minimal brain injury (abstr.), 130

Acetabulum, developmental changes in, in spastic paraplegia and diplegia, 303

Adrenal cortex, function of, in premature infants with intracranial birth injury (abstr.), 131

Adults, with cerebral palsy: long-term results of surgical treatment, 35

AFIFI, A. K.: Histology and cytology of muscle in Prader Willi syndrome, 363

Age, competence as a function of, in development of communication (abstr.), 542

AICARDI, J., AMSILI, J. and CHEVRIE, J. J.: Acute hemiplegia in infancy and childhood, 162

AINSWORTH, P. and DAVIES, P. A.: The single umbilical artery: a five-year survey, 297

ALLEN, J. E. *See* TOGUT, M. R., 601

ALLEN, N. *See* HALSEY, J. H., Jr., 405

ALVORD, E. D. *See* SHAW, C.-M., 540

Amelia and phocomelia, spinal canal in, 330

America. *See* United States of America

American Academy for Cerebral Palsy, annual meeting, Miami Beach, 1968: abstracts of papers presented at, 249

American Pediatric Association Symposia on future plans for medical care of children in U.S.A., 665

Amino-acid, endogenous, imbalance, in phenylketonuria (abstr.), 829

— metabolism, new disorders of (hyperornithinemia, hyperammonemia and homocitrullinuria) associated with myoclonic seizures and mental retardation (abstr.), 688

Aminoaciduria, a new, and mental deficiency (abstr.), 687

Ammonia intoxication as a possible factor in the encephalopathy of Reye's syndrome (abstr.), 688

Amniotic fluid cytology, in estimation of duration of gestation (abstr.), 132

AMPOLA, M. L., EFRON, M. L., BIXBY, E. M. and MESHORER, E.: Mental deficiency and a new amino aciduria (abstr.), 687

AMSILI, J. *See* AICARDI, J., 162

Anaemia, pernicious, congenital, brain damage from, 378

ANDERSON, A. B. M. and GRIFFITHS, A. D.: Estimation of duration of gestation by amniotic fluid cytology (abstr.), 132

ANDERSON, H. and GOMES, S. P.: Clinocephaly: considerations on the pathophysiology of craniosynostosis (abstr.), 133

Anencephaly, and spina bifida cystica, recurrence risk in, *Suppl. 20*, 23

ANGELL, R.: Structural anomalies of the Y chromosome, 644

Angiomatoses, hereditary forms, with main involvement of the central nervous system. 1. Sturge-Weber disease (abstr.), 828

ANNOTATIONS

A handicapped child in the family, 643

Abnormal height in children, 521

Birth order, intelligence and personality, 647

Brain damage from congenital pernicious anaemia, 378

Cerebral gigantism? 796

— hypoxic damage in the fetus and newborn, 646

Child development in a Swedish town, 801
Depression in a child after neurosurgery, 799
Diastrophic dwarfism, 247
Double vision, 242
Epilepsy and school athletics, 244
Feeding reflexes in infancy, 641
Growth and maturity, 517
History of residential services for the mentally handicapped, 652
Intracranial bruits in children, 650
Lesch-Nyhan syndrome, 382
Leukaemia in the central nervous system, 648
Life before birth, 377
Malnutrition and brain development, 792
Mumps meningo-encephalitis, 518
Parents of autistic children, 104
Population and family planning, 370
Prader-Labhart-Willi syndrome, 380
Problems of play and mastery in the blind child, 516
Pycnodysostosis, 103
Second thoughts on hemispherectomy in infantile hemiplegia, 374
Sex differences in development, 245
Single umbilical artery, 372
Sleep cycles in infants, 794
Structural anomalies of the Y chromosome, 644
Study of human growth hormone, 246
Subdural haematomas and effusions in infancy, 108
Teething, 376
Treatment of homocystinuria, 519
— — spasticity with perineural injections of phenol, 384
Urinary problems of spina bifida, 106
Use of diphenylhydantoin in epilepsy treatment, 111
Whistling face syndrome, 798

ANTHONY, B. F. *See* FISCH, R. O., 274
Antibiotics, effect of, on results of Guthrie test (abstr.), 274
Aphasia or autism? 443
Arnold-Chiari malformation, laryngeal stridor, and medullary haemorrhages, 471
Arterial pattern, intrapulmonary, in normal infancy and in transposition of the great arteries (abstr.), 275
Artery, umbilical, single: five-year survey, 297
ASHBY, P. *See* GIBBERD, F. B., 330
Asphyxia, in the newborn, and automatic visual pursuit, 595
— neonatal, significance of hypercapnia in pathogenesis of (abstr.), 128
Athletics, school, and epilepsy, 244
Autism, infantile: correction of feeding abnormalities, 569
— — diagnosis, 432
— or aphasia? 443
Autistic children, parents of, 104
Automatic visual pursuit, in infants born normally and in asphyxia, 595
AVIAD, Y. *See* COHEN, B. E., 96

Baby care, individuality and, 749
BADALYAN, L. O., KALININA, L. V., MIRONOV, A. I. and SANDUKOVSKAYA, S. I.: Hereditary forms of angiomatoses with main involvement of the nervous system. Communication I, Sturge-Weber disease (abstr.), 828
Bantu children, development of, 821 (L)
— — — — relexes in, 533 (L)
BARHAM, K. A. *See* WOOD, E. C., 608
BASSER, L. S.: The relation of migraine and epilepsy (abstr.), 686
BAUER, H. *See* FISCH, R. O., 274
BAUMANN, R. J. *See* MOORE, R. Y., 650
BAVIN, J. T. R. *See* BERG, J. M., 828
BAX, M. and MAC KEITH, R.: Does early recognition help? 411
BEALS, R. K.: Developmental changes in the femur and acetabulum in spastic paraplegia and diplegia, 303
BEISCHER, N. A. *See* WOOD, E. C., 608
BENTLEY, J. F. R. *See* SMITH, I. S., *Suppl. 20*, 51
BERENBERG, W.: Toward the prevention of neuromotor dysfunction, 137
BERG, J. M. and BAVIN, J. T. R.: Mongolism and maternal menarche (abstr.), 828
BERG, J. W. van den. *See* JONGE, M. C. de, *Suppl. 20*, 51
BERGER, R. *See* TURPIN, R., 129
BERNSTEIN, B., BRANDIS, W. and HENDERSON, D.: Speech of lower-class children, 113 (L)
Beta-mercaptolactate-cysteine disulfide in the urine of a mentally retarded patient (abstr.), 687
BETHUNE, G. de. *See* DUYCK, E.-M., 830
Bibliography of developmental medicine and child neurology, *Suppl. 17*
Bioelectric brain maturation, in small-for-dates infants, 83
Birth, life before, 377
— injury, intracranial, in premature infants, adrenal cortex in (abstr.), 131
— interval, stillbirth and, and neonatal death (abstr.), 405
— order, and stillbirth (abstr.), 406
— — intelligence and personality, 647
Birthweight, low, and postnatal physical development, 314
— — infants with: early recognition of neuromotor diability in, 455
— optimum (abstr.), 276
BIXBY, E. M. *See* AMPOLA, M. L., 687
BLAAUW, G. and EMERY, J. L.: Jugular foramen in congenital hydrocephalus, *Suppl. 20*, 91
Bladder dysfunction, neurogenic, in children: ureterostomy (abstr.), 405
Blind child, the, problems of play and mastery in, 516
BLYTH, H. and CARTER, C.: A guide to genetic prognosis in paediatrics, *Suppl. 18*.
BONNEVIER, J.: A study of diadochokinesia in schoolchildren (abstr.), 132

BOOK REVIEWS

ALDEGHI, E. and MADERNA, A.: *Il Mongolismo: Auxopatia Somatopsichica Cariotipica*, 396.
ALLAN, J. D. and RAINE, D. N. (Editors): *Some Inherited Disorders of Brain and Muscle (SSIEM Symposium No. 5)*, 670
ANDERSON, E. M.: *The Education of Physically Handicapped Blind and Deaf Children in East Africa*, 269
Aspects of Rehabilitation, 527

BARNETT, H. L. (Editor): *Pediatrics, 14th ed.*, 817
BERGSTRÖM, S. and SAMUELSSON, B. (Editors): *Prostaglandins. Nobel Symposium 2*, 120
BOWLEY, A. and GARDNER, L.: *The Young Handicapped Child*, 2nd ed., 391
BOYD, I. A. and DAVEY, M. R.: *Composition of Peripheral Nerves*, 268
British Medical Bulletin, on Human Genetics, 1969, *25*, No. 1: 122
CAFFEY, J.: *Paediatric X-Ray Diagnosis*, 5th ed., 266
CRAFT, M. and MILLER, L.: *Patterns of Care for the Subnormal*, 121
CROME, L. and STERN, J.: *The Pathology of Mental Retardation*, 815
DALLY, A.: *Cicely: The Story of a Doctor*, 398
DOCKAR-DRYSDALE, B.: *Therapy in Child Care*, 525
DUBOS, R.: *Man, Medicine and Environment*, 391
EASTHAM, R. D. and JANCAR, J.: *Clinical Pathology in Mental Retardation*, 393
EISSLER, R. S. *et al.* (Editors): *The Psychoanalytic Study of the Child, Vol. 23:* 818
ELDRIDGE, M.: *A History of the Treatment of Speech Disorders*, 270
ELLIS, R. W. B. and MITCHELL, R. G.: *Disease in Infancy and Childhood*, 6th ed., 392
FOSS, B. M. (Editor): *Determinants of Infant Behaviour*, 816
GELEERD, E. (Editor): *The Child Analyst at Work*, 264
GELLIS, S. S. and FEINGOLD, M.: *Atlas of Mental Retardation Syndromes*, 673
GRAHAM, W. D. (Editor): *Modern Trends in Orthopaedics: 5*, 120
HAINDORF, H., RENKER, K. and SCHÖNROK, G.: *Über Auffälligkeiten bei Voerschulkindern*, 676
HAYNES, U.: *A Developmental Approach to Case-finding*, 396
HELLMUTH, J. (Editor): *Learning Disorders*, vols. 1 and 2, 529
HILL, J. P. (Editor): *Minnesota Symposia on Child Psychology, Vol. 1*, 387
H.M.S.O.: *Units for Partially Hearing Children (Education Survey 1)*, 671
HOLMES, G. (*Revised by* MATTHEWS, B.): *Introduction to Clinical Neurology*, 3rd ed., 529
HOOPES, J. L.: *An Infant Rating Scale. Its Validation and Usefulness*, 119
INTERDISCIPLINARY SOCIETY OF BIOLOGICAL PSYCHIATRY, Symposium: *Brain Damage by Inborn Errors of Metabolism*, 385
ISLER, W.: *Akute Hemiplegien und Hemisyndrome im Kindesalter*, 676
JAMES, D. E.: *Introduction to Psychology*, 528
JELLIFFE, D. B.: *Infant Nutrition in the Subtropics and Tropics*, 2nd ed., 392
KALTER, H.: *Tetralogy of the Nervous System*, 814
KILDEBERG, P.: *Clinical Acid-Base Physiology*, 530
KIND, R. W. and LEEDHAM, J.: *Programmed Sex Education: Babies and Families, You Begin Life, You Grow Up, Contraception*, 270
KNOTT, M. and VOSS, D. E.: *Proprioceptive Neuromuscular Facilitation*, 2nd ed., 389
LIPSITT, L. P. and SPIKER, C. C. (Editors): *Advances in Child Development and Behaviour*, vol. 3: 267
LOMBARDI, G.: *Radiology in Neuro-Ophthalmology*, 118
MALT, R. A. (Editor): *Macromolecular Synthesis and Growth*, 388
MILLER, R. A. and BURACK, E.: *Atlas of the Central Nervous System in Man*, 269
MONTAN, K.: *Rehabilitation in Sweden*, 268
MULLER, P.: *The Tasks of Childhood*, 815
OJEMANN, R. G., KEENER, E. B., PEROT, P. L. and TINDALL, G. T. (Editors): *Clinical Neurosurgery*, Vol. 15, 395
PROVENCE, S.: *Guide for the Care of Infants in Groups*, 390
RAMBACH, H.: *Zur Ätiologie des kindlichen Kopf- und Körperwerfens (Jactatio Capitis et Corporis)*, 118
RANG, M.: *The Growth Plate and Its Disorders*, 394
RENDLE-SHORT, J. and GRAY, O. P. (Editors): *A Synopsis of Children's Diseases* 4th ed., 677
RICHARDS, B. W. (Editor): *Proceedings of the First Congress of the International Association for the Scientific Study of Mental Deficiency*, 526
RICHARDSON, W. P. and HIGGINS, A. C.: *The Handicapped Children of Almance, North Carolina: A Medical and Sociological Study*, 674
ROSS, D. N.: *A Surgeon's Guide to Cardiac Diagnosis Part 2: The Clinical Picture*, 386
SANDIFER, P. H.: *Neurology in Orthopaedics*, 397
SCHMIDT, R. P. and WILDER, B. J.: *Epilepsy*, 266
SCHULMAN, J. L.: *Management of Emotional Disorders in Pediatric Practice*, 264
SCRIMSHAW, N. S., TAYLOR, C. E. and GORDON, J. E.: *Interactions of Nutrition and Infection*, 526
SEGAL, S. S.: *No Child is Ineducable*, 386
SIM, M.: *Guide to Psychiatry*, 2nd ed., 265
SOVÁK, M.: *Pädagogische Probleme der Lateralitat*, 670
STEVENS, M.: *Observing Children who are Severely Subnormal* 122
THORN I.: *Cerebral Symptoms in the Newborn*, 819
YAHR, M. D. and PURPURA, S. D. P. (Editors): *Neurophysiological basis of normal and abnormal motor activities*, 675
YUDKIN, S.: *A Report on the Care of Pre-School Children*, 117
WATSON, E. H. and LOWREY, G. H. (Editors): *Growth and Development of Children*, 5th ed., 389
ZORAB, P. A. (Editor): *Proceedings of a Second Symposium on Scoliosis: Causation*, 121

BOWER, B. D.: Epilepsy and school athletics, 244
BOWLEY, A.: Reading difficulty with minor neurological dysfunction: a study of children in junior schools, 493
Brain damage by ventriculography: a contribution to puncture porencephaly (abstr.), 131
— — from congenital pernicious anaemia, 378
Brain-damaged children, permanent gastrostomy in, 214
Brain development, malnutrition and, 792

— dysfunction, minimal, 115 (L)
— injury, minimal, *versus* delayed and irregular maturation (abstr.), 130
— lipid changes in, in phenylketonuria (abstr.), 129
— maturation, bioelectric, in small-for-dates infants, 83
— scanning, in the pediatric age group, 69
— stem and spinal cord injury, latent, in newborn infants, 54
— syndromes, acute and chronic, in children, 198
— tissue damage in hydrocephalus, *Suppl. 20*, 1
BRAND, J., SHAKESPEARE, R. and WOODS, G. E.: Psychological development of the severely subnormal after 16 years of age, 783
BRANDIS, W. *See* BERNSTEIN, B., 113
Breast feeding, for the first two months, 277
Breath-holding spells, 755
BRENTON, D. P.: Treatment of homocystinuria, 521
BRETT, E.: Second thoughts on hemispherectomy in infantile hemiplegia, 374
BRODY, J. A. *See* WILNER, E., 449
BROOKS, J. H. and SIMS, A. C. P.: Nocturnal enuresis and congenital pyloric stenosis, 262 (L)
BROWN, J. K.: Feeding reflexes in infancy, 641
BRUHL, H. H. *See* FISCH, R. O., 274
Bulbar palsy, progressive, 630
BURKE, E. C. *See* STICKLER, G. B., 542
BURROWS, R. *See* TALKINGTON, L., 579
BUTLER, B. V. and ENGEL, R.: Mental and motor scores at 8 months in relation to neonatal photic responses, 77

CANNON, J. *See* WILNER, E., 449
CARNE, S.: Child Care in the United States of America, 665
CARTER, C. *See* BLYTH, H., *Suppl. 18*
CARTER, C. O.: Diastrophic dwarfism, 247
CAST, I. P. and SCHURR, P. H.: Experience in the use of ventriculoatrial shunts with the Pudenz valve, *Suppl. 20*, 71
Cast vinyl film, in pre-operative protection of myeloceles, *Suppl. 20*, 57
Catheter, ventricular, obstruction, in valve shunts, prevention, *Suppl. 20*, 42
Cauda equina, lipomas of, and other fatty tumours related to neurospinal dysraphism, *Suppl. 20*, 62
Cava septi pellucidi et vergae: their normal and pathological states (abstr.), 540
Central nervous system, defects of, sweat function in babies with, *Suppl. 20*, 94
— — — in Sturge-Weber disease (abstr.), 828
— — — leukaemia in, 648
Cerebral dysfunction in children: do not procrastinate! (abstr.), 541
— — minimal, children with, evaluation of co-ordination deficits in (abstr.), 686
— gigantism? 796
— hypoxic damage in the fetus and newborn, 646
— palsy, adults with: long-term results of surgical treatment, 35 (correction, No. 2, p. iii)
— — as an index of progress, 545
— — functioning in, parental and professional assessment of, 735
— — hip dislocation in, 291
— — long-term results in the management of 67 children with, 17
— — parents of children with, guidance to, 504
Cerebrospinal fluid, 5-hydroxyindoles in, in infants with Down's syndrome and muscle hypotonia, 730
CHAFFIAN, J. *See* POURFAR, M., 214
CHAMBERLIN, H. R. *See* HALSEY, J. H., Jr., 405
CHESS, S.: Individuality and baby care, 749
CHEVRIE, J. J. *See* AICARDI, J., 162
Child care and mental handicap, 512
— — in the U.S.A., 665
— development in a Swedish town, 801
— handicapped, in the family, 643
Childhood, and infancy, acute hemiplegia in, 162
— handicaps in, new approach to early diagnosis, 279
Children, abnormal height in, 521
— acute and chronic brain syndromes in, 198
— autistic, parents of, 104
— Bantu, development of, 821 (L)
— — — — reflexes in, 533 (L)
— blind, problems of play and mastery in, 516
— brain-damaged, permanent gastrostomy in, 214
— brain scanning in, 69
— cerebral dysfunction in: do not procrastinate! (abstr.), 541
— cyanotic and pallid syncopal attacks in, 755
— deaf, maladjusted, speech in, and its relation to early diagnosis of deafness, 777
— epileptic, EEGs of: effect on, of sleep deprivation, 771
— handicapped, in the European community (abstr.), 830
— hydrocephalic, short-term verbal memory in, *Suppl. 20*, 75
— hypothyroid, mental development of: influence on, of substitution hormonal therapy (abstr.), 689
— impaired hearing in, differential diagnosis, 561
— in junior schools, reading difficulty with minor neurological dysfunction, 483
— intracranial bruits in 650
— Leigh's encephalopathy in (abstr.), 828
— lower-class, speech of, 113 (L)
— maladjusted, deaf: speech in, and its relation to early diagnosis of deafness, 777
— mentally retarded, corrective orthopaedic programme in, 579
— — — physical growth and development in, 584
— normal, under five years old, footprint sequences of, 44
— psychotic, clinical and EEG studies in, 218
— thalidomide, conscious control of motor units with: electromyographic study, 743
— with cerebral palsy: long-term results in the management of, 17
— with congenital heart disease (abstr.), 683
— with minimal cerebral dysfunction, evaluation of co-ordination, deficits in (abstr.), 686
— with myelomeningocele, intrinsic innervation of the dilated ureter in, *Suppl. 20*, 49
— — — neuron population in the lumbosacral cord of, *Suppl. 20*, 82
— with phenylketonuria: EEG study of relatives, 365
— with spina bifida, functional disorders of the urinary tract in, *Suppl. 20*, 51
Choreo-athetosis, transient, following hypernatraemia, 637

CHRISTIAN, J. C. *See* DUCKETT, S., 764
CHRISTOFF, N. *See* GELLER, M. R., 771
Chromosome abnormalities, human, frequency and possible etiological factors in (abstr.), 129
— disorders in mental retardation: where chromosomes do count? (abstr.), 683
— Y, structural anomalies of, 644
CLAIREAUX, A. E.: Cerebral hypoxic damage in the fetus and newborn, 646
CLANCY, H., DUGDALE, A. and RENDLE-SHORT, J.: The diagnosis of infantile autism, 432
— ENTSCH, M. and RENDLE-SHORT, J.: Infantile autism: the correction of feeding abnormalities, 569
Cleland-Arnold-Chiari deformity, diagnosis, on plain radiographs of the spine, *Suppl. 20*, 78
Clinocephaly: considerations on the pathophysiology of craniosynostosis (abstr.), 133
COFFELT, R. W. *See* FRANKENBURG, W. K., 275
COHEN, B. E., SZEINBERG, A., AVIAD, Y. and COSTEFF, H.: Evaluation of dietary treatment in phenylketonuria: a proposed methodology, 96
COLDIRON, J. S. *See* SINCLAIR, J. C., 314
COLDWELL, J. G. *See* FRANKENBUERG, W. K., 275
Communications, development of: competence as a function of age (abstr.), 542
Competence as a function of age, in development of communication (abstr.), 542
Conferences. *See under* Congresses
Congenital abnormalities at birth: association in the same patient, 3
— — epidemiology of stillbirths from, in England and Wales, 1961–1966: 617
— heart disease, children with (abstr.), 683

CONGRESSES
Mediterranean-Middle Eastern Paediatric Congress, Athens, 1969: 133
The Child in the World of Tomorrow: Congress of the International Union for Child Welfare, Stockholm, 1969, 813
Third International Conference on Congenital Malformations, The Hague, 1969, 804

COOK, R. C. M. *See* LISTER, J., 504
Co-ordination deficits, evaluation of, in children with minimal cerebral dysfunction (abstr.), 686
COSTEFF, H. *See* COHEN, B. E., 96
COVENTRY, M. B. *See* PETERSON, H. A., 35
Cranio-cerebral trauma, early secondary aggravation of, in the infant (abstr.), 543
Craniosynostosis (clinocephaly), pathophysiology of (abstr.), 133
Cranium bifidum, treatment of hydrocephalus in infants born with, *Suppl. 20*, 13
CRAWHILL, J. C., PARKER, R., SNEDDON, W. and YOUNG, E. P.: Beta-mercaptolactate-cysteine disulfide in the urine of a mentally retarded patient (abstr.), 687
CREAK, M. and PAMPIGLIONE, G.: Clinical and EEG studies on a group of 35 psychotic children 218
Cry patterns, in normal and abnormal infants, 142
Cryotherapy technique, in spasticity (abstr.), 830
CULLEY, W. *See* DYKEN, P., 718
CUMINGS, J. N., GRUNDT, I. K. and YANAGIHARA, T.: Lipid changes in the brain in phenylketonuria (abstr.), 129
Current articles on developmental medicine, child neurology, cerebral palsy and kindred subjects, 123, 271, 400, 536, 678, 823
CURZEN, P.: Life before birth, 377

Dancing eyes, dancing feet: infantile polymyoclonia (abstr.), 130
Danube Symposium, Vienna, May 1969, 663
DASTUR, D. K., LALITHA, V. S. and PRABHAKAR, V.: Pathological analysis of intracranial space-occupying lesions in 1,000 cases including children (abstr.), 133
DAVIES, P.: The single umbilical artery, 372
DAVIES, P. A. *See* Ainsworth, P., 297
Deafness, early diagnosis of, and its relation to speech in deaf, maladjusted children, 777
de BARSY, A. M., MOENS, E. and DIERCKY, L.: Dwarfism, oligophrenia and degeneration of the elastic tissue in skin and cornea: a new syndrome? (abstr.), 131
Decerebrate state, chronic, in infancy: neurological observations in long surviving cases of hydranencephaly (abstr.), 405
Deformity, major limb, reconstructive surgery of, 153
DEHAVEN, G. E., MORDOCK, J. B. and LOYKOVITCH, J. M.: Evaluation of co-ordination deficits in children with minimal cerebral dysfunction (abstr.), 686
Dentate nucleus, stereotactic surgery of, in treatment of hyperkinetic and spastic conditions (abstr.), 684
Denver developmental screening test, 260 (L), 261 (L)
Depression in a child after neurosurgery, 799
Development, and physical growth, in a survey of mentally retarded children, 584
— child: effect on, and on fetus, of virus hepatitis in pregnancy (abstr.), 129
— — in a Swedish town, 801
— Denver developmental screening test, 260 (L), 261 (L)
— of Bantu children, 821 (L)
— physical, postnatal, and low birthweight, 314
— psychological, of the severely subnormal after 16 years of age, 783
— sex differences in, 245
Developmental medicine and child neurology, bibliography on, *Suppl. 17*
— milestones, in screening for increased risk of later retardation, 423
— — norms for, by sex, social class and place in family, 413
Diadochokinesia in schoolchildren, study of (abstr.), 132
Diastematomyelia (abstr.), 687
DIERCKY, L. *See* de BARSY, A. M., 131
Diphenylhydantoin, in epilepsy treatment, 111
Diplegia and spastic paraplegia: developmental changes in femur and acetabulum in, 303
DODGE, J. A.: Pycnodysostosis, 103
Dogs, effect on, of protein-calorie deficiency, 174
DOWNING, J.: New experimental evidence of the effectiveness of i.t.a. in preventing disabilities of reading and spelling, 547
Down's Syndrome and maternal menarche (abstr.), 828

— — and muscle hypotonia, 5-hydroxyindoles in the CSF of infants with, 730
— — cerebral lipids in, 346
DREW, A. L. *See* DUCKETT, S., 764
DUBOWITZ, V.: The floppy infant—a practical approach to classification, 259 (L)
— and ROGERS, K. J.: 5-Hydroxyindoles in the cerebrospinal fluid of infants with Down's syndrome and muscle hypotonia, 730
DUCKETT, S., CHRISTIAN, J. C., THOMPSON, J. N. and DREW, A. L.: The ultrastructure of metachromatic bodies in cultured fibroblasts in Hunter's syndrome, 764
DUGDALE, A. *See* CLANCY, H., 432
DUNCAN, B. R. *See* FRANKENBURG, W. K., 275
DUYCK, E.-M., HAESBROUCK, G. VAN and ZEGHER, A. de: Comments on the results of a study on handicapped children in the European community (abstr.), 830
Dwarfism, diastrophic, 247
— metatrophic, diagnosis (abstr.), 275
— oligophrenia and degeneration of elastic tissue in skin and cornea: a new syndrome? (abstr.), 131
DYACHKOVA, A. YA and LEBEDEV, B. V.: The problems of heterozygote gene state ascertainment in phenylketonuria (abstr.), 829
DYKEN, P. and CULLEY, W.: Another population of phenylketonuria? Studies on atypical phenylketonuria, 718
— and KOLAR, O.: Dancing eyes, dancing feet: infantile polymyoclonia (abstr.), 130
DYKEN, P. R.: 'Half and half' seizures, 94

EDITORIALS
Breast feed for the first two months, 277
C.P. as an index of progress, 545
Does early recognition help? 411
Epilepsy: a challenge today, 135
Paediatrician, responsibility of, in prevention of ill-health in adult life, 1
The buck stops, 691

EFRON, M. L. *See* AMPOLA, M. L., 687
— *See* SHIH, V. E., 688
Elastic tissue in skin and cornea, degeneration of, with oligophrenia and dwarfism: a new syndrome? (abstr.), 131
EMERY, J. L. *See* FORBES, M., *Suppl. 20*, 49
— *See* NAIK, D. R., *Suppl. 20*, 78
— and LENDON, R. G.: Lipomas of the cauda equina and other fatty tumours related to neurospinal dysraphism, *Suppl. 20*, 62
Encephalopathy, Leigh's, in children (abstr.), 828
ENGEL, R. *See* BUTLER, B. V., 77
ENTSCH, M. *See* CLANCY, H., 569
Enuresis, nocturnal, and congenital pyloric stenosis, 262 (L)
— treatment of (abstr.), 128
Epilepsy, 135
— and school athletics, 244
— diphenylhydantoin in treatment of, 111
— interaction between sulthiame (ospolot) and phenytoin in treatment of (abstr.), 827
— primary reading (abstr.), 827
— reflex, 94
— relation with migraine (abstr.), 687
Epileptic children, effect on EEGs of, of sleep deprivation, 771
ERDOHAZI, M.: A clinical and pathological study of 43 cases of hydrocephalus not associated with spina bifida, *Suppl. 20*, 31
EVANS, P. R.: The Prader-Labhart-Willi syndrome, 380
EWERT, J. C. *See* FELDT, R. H., 683

Failure-to-thrive syndrome, nonorganic, psychological exploration of, 601
Family, place in, sex and social class, in norms for developmental milestones, 413
— planning, and population, 370
FAWCUS, B.: Oropharyngeal function in relation to speech, 556
Feeding abnormalities, correction of, in infantile autism, 569
— reflexes in infancy, 641
FELDERHOF, J. *See* JONGE, M. C. de, *Suppl. 20*, 51
FELDT, R. H., EWERT, J. C., STICKLER, G. B. and WEIDMAN, W. H.: Children with congenital heart disease (abstr.), 683
FEMUR, developmental changes in, in spastic paraplegia and diplegia, 303
Fetus, and newborn, cerebral hypoxic damage in, 646
— effect on, of virus hepatitis in pregnancy, and on child development (abstr.), 129
FINDLAY, J. A.: An appraisal of the management of spina bifida cystica, *Suppl. 20*, 86
FISCH, R. O., ANTHONY, B. F., BAUER, H. and BRUHL, H. H.: The effect of antibiotics on the results of the Guthrie test given to phenylketonuric patients (abstr.), 274
FISCHER, B. H.: Hyperbaric oxygen treatment, 712
FLANAGAN, M. N. *See* RITCHIE, G. W., 687
FLOREA, I. *See* STANESCU, V., 406
Foetal assessment tests, use of, 608
— growth, accelerated, 693
Footprint sequences of normal children under five years old, 44
Foramen, jugular, in congenital hydrocephalus, *Suppl 20*, 91
FORBES, M., UNDERWOOD, J. and EMERY, J. L.: The intrinsic innervation of the dilated ureter in children with myelomeningocele, *Suppl. 20*, 49
FORFAR, J. O. *See* NELSON, M. M., 3
FOSTER, K. G., HEY, E. N. and O'CONNELL, B.: Sweat function in babies with defects of the central nervous system, *Suppl. 20*, 94
FOX, E. *See* GELLER, M. R., 771
FRANKENBURG, W. K.: The Denver developmental screening test, 260 (L)
— DUNCAN, B. R., COFFELT, R. W., KOCH, R., COLDWELL, J. G. and SON, C. D.: Maternal phenylketonuria: implications for growth and development (abstr.), 275

GALLOWAY, W. H.: Mumps meningo-encephalitis, 518
GARDNER-MEDWIN, D.: Cerebral gigantism? 796
GASSEL, M. M.: Monosynaptic reflexes (H-reflex) and motoneurone excitability in man, 193
Gastrostomy, permanent, in severely brain-damaged children, 214
GATEV, V. and SHIKOV, N.: Automatic visual pursuit in infants born normally and in asphyxia, 595

Gaucher's disease, infantile, neuropathological aspects (abstr.), 407
GEFFERTH, K.: Diagnosis of metatropic dwarfism (abstr.), 275
GELLER, M. R., GOURDJI, N., CHRISTOFF, N. and FOX, E.: The effects of sleep deprivation on the EEGS of epileptic children, 771
GELLISSEN, K. and GULLOTTA, F.: On Leigh's encephalopathy in children (abstr.), 828
Genetic prognosis in paediatrics, guide to, *Suppl. 18*
Gestation, estimation of duration, by amniotic fluid cytology (abstr.), 132
GIBBERD, F. B. and ASHBY, P.: The spinal canal in phocomelia and amelia, 330
GIBBS, N.: Problems of play and mastery in the blind child 516
Gigantism, cerebral? 796
GILLIGAN, B. S.: Primary reading epilepsy (abstr.), 827
Glomerulonephritis, diffuse, associated with infected ventriculoatrial shunt (abstr.), 542
GLUCKSBERG, S. *See* KRAUSS, R. M., 542
GOMES, S. P. *See* ANDERSON, H., 133
GOMEZ, M. R. *See* LAXDAL, T., 755
GORDON, N.: Double vision, 242
— Use of diphenylhydantoin in epilepsy treatment, 111
— and THURSBY-PELHAM, D.: The Sanfilippo syndrome: an unusual disorder of mucopolysaccharide metabolism, 485
GOURDJI, N. *See* GELLER, M. R., 771
GRAHAM, W. *See* STOOL, S. E., 684.
GRAMSBERGEN, A. *See* PRECHTL, H. F. R., 142
GREGORIOU, M., MATSANIOTIS, N. and PAPADAKIS, G.: Progressive bulbar palsy, 630
GRIFFITHS, A. D. *See* ANDERSON, A. B. M., 132
GRIFFITHS, J.: Development of reflexes in Bantu children, 533 (L)
Growth, and maturity, 517
— disturbances, L-proline loading test in (abstr.), 406
— fetal, accelerated, 693
— hormone, human, study of, 246
— physical, and development, in a survey of mentally retarded children, 584
GRUNDT, I. K. *See* CUMINGS, J. N., 129
GRUSON, R. *See* NOLTE, R., 83
GULLOTTA, F. *See* GELLISSEN, K., 828
Guthrie test, effect on, of antibiotics (abstr.), 274

Haematoma, subdural, and effusion, in infancy, 108
HAESBROUCK, G. van. *See* DUYCK, E.-M., 830
HAKIM, S.: Observations on the physiopathology of the CSF pulse and prevention of ventricular catheter obstruction in valve shunts, *Suppl. 20*, 42
'Half and half' seizures, 94
HALSEY, J. H., Jr., ALLEN, N. and CHAMBERLIN, H. R.: Chronic decerebrate state in infancy: neurological observations in long surviving cases of hydranencephaly (abstr.), 405
HAMILTON, W.: Abnormal height in children, 521
Handicapped child in the family, 643
— children in the European community (abstr.), 830
Handicaps in childhood, new approach to early diagnosis, 279
HARDEN, A. *See* KLIEMANN, F. A. D., 475
HARDISTY, R. M.: Leukaemia in the central nervous system, 648
Head enlargement, progressive, following *Proteus mirabilis* meningitis, 633
— size, abnormally small, and intellect (abstr.), 274
Hearing, impaired, in children, differential diagnosis, 561
Heart disease, congenital, children with (abstr.), 683
Height, abnormal, in children, 521
HEILMAN, K. M. *See* MUKHERJEE, S. K., 633
Hemiplegia, acute, in infancy and childhood, 162
— infantile, hemispherectomy in, 374
Hemispherectomy, in a child with lightning spasms (abstr.), 132
— in infantile hemiplegia, 374
HEMMER, R. *See* POTTHOFF, P. C., *Suppl. 20*, 38
HENDERSON, D. *See* BERNSTEIN, B., 113
HEY, E. N. *See* FOSTER, K. G., *Suppl. 20*, 94
Hip dislocation in cerebral palsy, 291
HOLLEY, K. E. *See* STICKLER, G. B., 542
HOLT, K. S.: The Lesch-Nyhan syndrome, 382
Homocitrullinuria, hyperornithinemia and hyperammonemia: a new disorder of aminoacid metabolism associated with myoclonic seizures and mental retardation (abstr.), 688
Homocystinuria, treatment, 519
Hormonal therapy, substitution, influence of, on mental development of hypothyroid children (abstr.), 689
Hormone, growth, human, study of, 246
HORNE, B. M. *See* PRICE, J. R., Jr., 406
Hunter's syndrome, ultrastructure of metachromatic bodies in cultured fibroblasts in, 764
HUTTERNLOCHER, P. R., SCHWARTZ, A. D. and KLATSKIN, G.: Reye's syndrome: ammonia intoxication as a possible factor in the encephalopathy (abstr.), 688
Hydranencephaly, long surviving cases, neurological observations in (abstr.), 405
Hydrocephalic children, short-term verbal memory in, *Suppl. 20*, 75
Hydrocephalus, brain tissue damage in, *Suppl. 20*, 1
— congenital, jugular foramen in, *Suppl. 20*, 91
— hereditary factors in, family history indicating (abstr.), 406
— not associated with spina bifida, clinical and pathological study, *Suppl. 20*, 31
— treatment, in infants born with spina bifida cystica or cranium bifidum, *Suppl. 20*, 13
5-Hydroxyindoles in the CSF of infants with Down's syndrome and muscle hypotonia, 730
Hyperammonemia, hyperornithinemia and homocitrullinuria: a new disorder of aminoacid metabolism associated with myoclonic seizures and mental retardation (abstr.), 688
Hypercapnia, in pathogenesis of asphyxia of neonates (abstr.), 128
Hyperkinetic and spastic conditions, stereotactic surgery of dentate nucleus in (abstr.), 684
Hypernatraemia, transient choreo-athetosis following, 637
Hyperornithinemia, hyperammonia and homo-

citrullinuria: a new disorder of aminoacid metabolism associated with myoclonic seizures and mental retardation (abstr.), 688
Hypothyroid children, influence on mental development of, of substitution hormonal therapy (abstr.), 689
Hypoxic damage, cerebral, in the fetus and newborn, 646

Ill-health in adult life, prevention of, responsibility of the paediatrician in, 531 (L)
ILLINGWORTH, R. S.: Teething, 376
Illness, an, record of, *Suppl. 19*
Individuality and baby care, 749
Infancy, and childhood, acute hemiplegia in, 162
— chronic decerebrate state in: neurological observations in long surviving cases of hydranencephaly (abstr.), 405
— feeding reflexes in, 641
— normal, intrapulmonary arterial pattern in (abstr.), 275
Infants, born in asphyxia and normally: automatic visual pursuit in, 595
— breast feeding for the first two months, 277
— cry patterns in, 142
— early secondary aggravation of cranio-cerebral trauma in (abstr.), 543
— floppy, classification, 259 (L)
— motor development in, evaluation of, 228
— newborn, and fetus, cerebral hypoxic damage in, 646
— — exteroceptive skin reflexes in, state dependence of, 353
— — latent spinal cord and brain stem injury in, 54
— — stillbirth and, and birth interval (abstr.), 405
— premature, with intracranial birth injury, adrenal cortex in (abstr.), 131
— sleep cycles in, 794
— small-for-dates, bioelectric brain maturation in, 83
— with defects of the central nervous system, sweat function in, *Suppl. 20*, 94
INGRAM, T. T. S.: The new approach to early diagnosis of handicaps in childhood, 279
Initial teaching alphabet, in preventing disabilities of reading and spelling, 547
Intellect, and abnormally small head size (abstr.), 274
Intelligence, birth order and personality, 647
— measles and minor neurological signs, 449
Intracranial bruits in children, 650
— space-occupying lesions, pathological analysis of, in 1,000 cases (abstr.), 133
IONESCU, V. *See* STANESCU, V., 406
ISHII, N. *See* WELLER, R. O., *Suppl. 20*, 1
IVANOVA, N. A. *See* TABOLIN, V. A., 131

JAMES, W. H.: Stillbirth and birth order (abstr.), 406
— Stillbirth, neonatal death and birth interval (abstr.), 405
Japanese Society of Paediatric Neurology, tenth annual meeting, Fukuoka City, 1969: abstracts of some papers presented, 807
JENSON, O. N. *See* OLESON, O. V., 827
JONGE, M. C. de, KORNELIS, J. A., BERG, J. W. van den and FELDERHOF, J.: The evaluation of functional disorders of the urinary tract in children with spina bifida, *Suppl. 20*, 51

KALININA, L. V. *See* BADALYAN, L. O., 828
KALVERBOER, A. F.: A study of 'minimal brain dysfunction,' 115 (L)
KEITH, R. A. and MARKIE, G. S.: Parental and professional assessment of functioning in cerebral palsy, 735
KELLY, M.: Effectiveness of a cryotherapy technique in spasticity (abstr.), 830
KELSEY, W. M. *See* MAYNARD, C. D., 69
KERSHAW, J.: C.P. as an index of progress, 545
KLATSKIN, G. *See* HUTTENLOCHER, P. R., 688
KLIEMANN, F. A. D., HARDEN, A. and PAMPIGLIONE, G.: Some EEG observations in patients with Krabbe's disease, 475
KLONOFF, H., ROBINSON, G. C. and THOMPSON, G.: Acute and chronic brain syndrome in children, 198
KOCH, R. *See* FRANKENBURG, W. K., 275
KOHLHEB, O. *See* MULLER, K., 131
KOLAR, O. *See* DYKEN, P., 130
KOLENDRIANOS, E. T. *See* SCHWARTZ, J. F., 460
KORNELIS, J. A. *See* JONGE, M. C. de, *Suppl. 20*, 51
KOUPERNIK, C.: The Denver developmental screening test, 261 (L)
Krabbe's disease, EEG observations in, 475
KRAUSS, R. M. and GLUCKSBERG, S.: The development of communication: competence as a function of age (abstr.), 542
KRAYENBÜHL, H. and SIEGFRIED, J.: Stereotactic surgery of the dentate nucleus in the treatment of hyperkinetic and spastic conditions (abstr.) 684

LADD, H. W. *See* SIMARD, T. G., 743
LALITHA, V. S. *See* DASTUR, D. K., 133
Laryngeal stridor, Arnold-Chiari malformation and medullary haemorrhages, 471
LAURENCE, K. M.: The recurrence risk in spina bifida cystica and anencephaly, *Suppl. 20*, 23
LAXDAL, T., GOMEZ, M. R. and REIHER, J.: Cyanotic and pallid syncopal attacks in children (breath-holding spells), 755
LAZORTHES, G. *See* LAZORTHES, Y., 543
LAZORTHES, Y., VAN HONG, N. and LAZORTHES, G.: Early secondary aggravation of cranio-cerebral trauma in the infant (abstr.), 543
LEBEDEV, B. V. *See* DYACHKOVA, A. Ya, 829
— *See* USACHEVA, N. T., 829
Leigh's encephalopathy in children (abstr.), 828
LELCHUCK, L. *See* TOGUT, M. R., 601
LENDON, R. G. *See* EMERY, J. L., *Suppl. 20*, 62
— Neuron population in the lumbo-sacral cord of myelomeningocele children, *Suppl. 20*, 82
Lesch-Nyhan syndrome, 382
LESNY, I.: The Danube Symposium, Vienna, May 1969, 663
— and TRESOHLAVA, Z.: An EEG study of relatives of children with phenylketonuria, 365
Leukaemia in the central nervous system, 648
LIDDICOAT, R.: Development of Bantu children, 821 (L)
Life before birth, 377
LIGHT, G. S. *See* WOLSKI, W., 541
Limbs, deformity, reconstructive surgery of, 153
LIND, J. *See* PRECHTL, H. F. R., 142

Lipid changes in the brain in phenylketonuria (abstr.), 129
Lipids, cerebral, in Down's syndrome, 346
Lipomas, of the cauda equina, and other fatty tumours related to neurospinal dysraphism, *Suppl. 20*, 62
LISTER, J., COOK, R. C. M. and ZACHARY, R. B.: Operative management of neurogenic bladder dysfunction in children: ureterostomy (abstr.), 405
LODIN, H.: Size and development of the cerebral ventricular system in childhood (abstr.), 276
LORBER, J.: Ventriculo-cardiac shunts in the first week of life, *Suppl. 20*, 13
LOYKOVITCH, J. M. *See* DEHAVEN, G. E., 686
L-proline loading test in growth disturbances (abstr.), 406
Lumbosacral cord, of myelomeningocele children, neuron population in, *Suppl. 20*, 82

McEWAN, J.: Population and family planning, 370
McINERY, T. K. and SCHUBERT, W. K.: Prognosis of neonatal seizures (abstr.), 685
MAC KEITH, R. *See* BAX, M., 411
— The buck stops, 691
— The responsibility of the paediatrician in the prevention of ill-health in adult life, 1
MacRAE, J. H. H.: A general theory of perception, 654
Malformation, Arnold-Chiari, laryngeal stridor, and medullary haemorrhages, 471
Malnutrition and brain development, 792
MANN, T. P.: Transient choreo-athetosis following hypernatraemia, 637
Maple syrup urine disease, 460
MARKIE, G. S. *See* KEITH, R. A., 735
MARSHALL, W. A.: Growth and maturity, 517
Mastery and play in the blind child, problems of, 516
MATSANIOTIS, N. *See* GREGORIOU, M., 630
Maturation, delayed and irregular, *versus* minimal brain injury (abstr.), 130
Maturity, and growth, 517
MAWDSLEY, T. and RICKHAM, P. P.: Further follow-up study of early operation for open myelomeningocele, *Suppl. 20*, 8
MAYNARD, C. D. and KELSEY, W. M.: Brain scanning in the pediatric age group, 69
Measles, minor neurological signs and intelligence, 449
Medullary haemorrhages, laryngeal stridor, and Arnold-Chiari malformation, 471
MEEKELSAAR, R. N.: The significance of hypercapnia in the pathogenesis of asphyxia of neonates (abstr.), 128
Menarche, maternal, and mongolism (abstr.), 828
Meningitis, *Proteus mirabilis*, progressive head enlargement following, 633
MENKES, J. H. *See* STEPHENS, M. C., 346
Mental and motor scores at 8 months in relation to neonatal photic responses, 77
— deficiency, and a new aminoaciduria (abstr.), 687
— development, of hypothyroid children, influence on, of substitution hormonal therapy (abstr.), 689
— handicap, child care and, 512
— retardation and myoclonic seizures, associated with a new amino acid metabolism disorder (hyperornithinemia, hyperammonemia and homocitrullinuria) (abstr.), 688
— — beta-mercaptolactate-cysteine disulfide in urine of a patient with (abstr.), 687
— — chromosome disorders in (abstr.), 683
— — in children, physical growth and development in, 584
— — severe, in children, corrective orthopaedic programme in, 579
Mentally handicapped, history of residential services for, 652
MESHORER, E. *See* AMPOLA, M. L., 687
Metachromatic bodies, ultrastructure of, in cultured fibroblasts in Hunter's syndrome, 764
MICHAELIS, R. *See* NOLTE, R., 83
Migraine, relation with epilepsy (abstr.), 687
MILLER, R. H. *See* STICKLER, G. B., 542
MIRONOV, A. I. *See* BADALYAN, L. O., 828
MITROFANOVA, G. P. *See* TABOLIN, V. A., 131
MOENS, E. *See* de BARSY, A. M., 131
Mongol, spinal cord of (abstr.), 542
Mongolism. *See* Down's Syndrome.
MOORE, R. Y. and BAUMANN, R. J.: Intracranial bruits in children, 650
MORDOCK, J. B. *See* DEHAVEN, G. E., 686
MORLEY, A. R.: Laryngeal stridor, Arnold-Chiari malformation, and medullary haemorrhages, 471
MOSER, H. W. *See* SHIH, V. E., 688
Motoneurone excitability, and monosynaptic reflexes, in man, 193
Motor and mental scores at 8 months in relation to neonatal photic responses, 77
— development, in infants, evaluation of, 228
Mucopolysaccharide metabolism, disorder of (Sanfilippo syndrome), 485
MUKHERJEE, S. K., HEILMAN, K. M. and ROSMAN, N. P.: An unusual cause of progressive head enlargement following proteus mirabilis meningitis, 633
MULLER, K. and KOHLHEB, O.: Brain damage by ventriculography. A contribution to puncture porencephaly (abstr.), 131
Mumps meningo-encephalitis, 518
MURPHY, K.: Differential diagnosis of impaired hearing in children, 561
Muscle, histology and cytology, in Prader Willi syndrome, 363
— hypotonia, and Down's syndrome, 5-hydroxyindoles in the CSF of infants with, 730
Myeloceles, pre-operative protection of, with cast vinyl film, *Suppl. 20*, 57
Myelomeningocele, open, early operation for, *Suppl. 20*, 8
— children, intrinsic innervation of the dilated ureter in, *Suppl. 20*, 49
— — neuron population in the lumbosacral cord of *Suppl. 20*, 82
Myoclonic seizures and mental retardation, associated with a new amino acid metabolism disorder (hyperornithinemia, hyperammonemia and homocitrullinuria) (abstr.), 688

NAIK, D. R. and EMERY, J. L.: Diagnosis of Cleland-Arnold-Chiari deformity on plain radiographs of the spine, *Suppl. 20*, 78

NASH, D. F. E.: Urinary problems of spina bifida, 106
NATHAN, P. W.: Treatment of spasticity with perineural injections of phenol, 384
NEALE, A. V.: The responsibility of the paediatrician in the prevention of ill-health in adult life, 531 (L)
NELIGAN, G. and PRUDHAM, D.: Norms for four standard developmental milestones by sex, social class and place in family, 413
— Potential value of four early developmental milestones in screening children for increased risk of later retardation, 423
NELSON, M. M. and FORFAR, J. O.: Congenital abnormalities at birth: their association in the same patient, 3
Neonatal seizures, prognosis of (abstr.), 685
Nervous system, in dogs, effect on, of protein-calorie deficiency, 174
Neurological dysfunction, minor reading difficulty with, 493
— patients, sense of visual direction in, 333
— signs, minor, measles and intelligence, 449
Neurology, child, and developmental medicine, bibliography on, *Suppl. 17*
Neuromotor disability, early recognition, in infants of low birthweight, 455
— dysfunction, prevention of, 137
Neuron population in the lumbosacral cord of myelomeningocele children, *Suppl. 20*, 82
Neurospinal dysraphism, fatty tumours related to, *Suppl. 20*, 62
Neurosurgery, depression in a child after, 799
Newborn, the. *See under* Infants
NOLTE, R., SCHULTE, F. J., MICHAELIS, R., WEISSE, U. and GRUSON, R.: Bioelectric brain maturation in small-for-dates infants, 83

O'CONNELL, B. *See* FOSTER, K. G., *Suppl. 20*, 94
O'KEEFFE, K. A.: Depression in a child after neurosurgery, 799
OLESON, O. V. and JENSON, O. N.: Drug interaction between sulthiame (ospolot) and phenytoin in the treatment of epilepsy (abstr.), 827
Oligophrenia, dwarfism and, and degeneration of elastic tissue in skin and cornea: a new syndrome? (abstr.), 131
Oropharyngeal function in relation to speech, 556
Orthopaedic programme, corrective, in severely mentally retarded children, 579
Ospolot (sulthiame) and phenytoin, interaction between, in treatment of epilepsy (abstr.), 827
OUNSTED, M.: Accelerated foetal growth, 693
Oxygen, hyperbaric, treatment, 713

Paediatrician, responsiblity of, in prevention of ill-health in adult life, 1, 531 (L)
Paediatrics, genetic prognosis in, guide to, *Suppl. 18*
PAINE, R. S.: Early recognition of neuromotor disability in infants of low birthweight, 455
Palsy, bulbar, progressive, 630
PAMPIGLIONE, E. *See* KLIEMANN, F. A. D., 475
PAMPIGLIONE, G. *See* CREAK, M., 218
PAPADAKIS, G. *See* GREGORIOU, M., 630
Paraplegia, spastic, and diplegia: developmental changes in femur and acetabulum in, 303
Parents, of autistic children, 104
PARKER, R. *See* CRAWHILL, J. C., 687
PARMELEE, A. H., Jr.: Sleep cycles in infants, 794
PARSONS, J. G.: Short-term verbal memory in hydrocephalic children, *Suppl. 20*, 75
Perception, general theory of, 654
Personality, birth order and intelligence, 647
PETERSON, H. A. and COVENTRY, M. B.: Long-term results of surgical treatment of adults with cerebral palsy, 35 (correction, No. 2, p. iii)
Phenol, perineural injections of, in treatment of spasticity, 384
Phenylketonuria, atypical: another population? 718
— children with: EEG study of relatives, 365
— dietary treatment in, 96
— endogenous amino-acid imbalance in (abstr.), 829
— heterozyogte gene state ascertainment in (abstr.), 829
— lipid changes in the brain in (abstr.), 129
— maternal: implications for growth and development (abstr.), 275
Phenytoin and sulthiame (ospolot), interaction between, in treatment of epilepsy (abstr.), 827
Phocomelia and amelia, spinal canal in, 330
Photic responses, neonatal: mental and motor scores at 8 months in relation to, 77
PLATT, B. S. and STEWART, R. J. C.: Effects of protein-calorie deficiency on dogs. 2. Morphological changes in the nervous system, 174
Play and mastery in the blind child, problems of, 516
PLAYFAIR, M.: Child development in a Swedish town, 801
POLLOCK, G. A. and STARK, G.: Long-term results in the management of 67 children with cerebral palsy, 17
Polymyoclonia, infantile (abstr.), 130
Population, and family planning, 370
Porencephaly, puncture: contribution to, from brain damage by ventriculography (abstr.), 131
POTTHOFF, P. C. and HEMMER, R.: Value insufficiency in ventriculoatrial shunts, *Suppl. 20*, 38
POURFAR, M. and CHAFIIAN, J.: Permanent gastrostomy in severely brain-damaged children, 214
PRABHAKAR, V. *See* DASTUR, D. K., 133
Prader-Labhart-Willi syndrome, 380
— — histology and cytology of muscle in, 363
PRECHTL, H. F. R. *See* VLACH, V., 353
— THEORELL, K., GRAMSBERGEN, A. and LIND, J.: A statistical analysis of cry patterns in normal and abnormal infants, 142
Pregnancy, virus hepatitis in: effect of, on fetus and on child development (abstr.), 129
PRICE, J. R., Jr. and HORNE, B. M.: Family history indicating hereditary factors in hydrocephalus (abstr.), 406
Protein-calorie deficiency, effect of, on nervous system of dogs, 174
Proteus mirabilis meningitis, progressive head enlargement following, 633
PRUDHAM, D. *See* NELIGAN, G., 413, 423
PRYER, H. B. and THELANDER, H.: Abnormally small head size and intellect (abstr.), 274
Psychological development of the severely subnormal after 16 years of age, 783

Psychosis, in children, clinical and EEG studies in, 218
Pudenz valve, in ventriculoatrial shunts, *Suppl. 20*, 71
Pulse, CSF, physiopathology, and prevention of ventricular catheter obstruction in valve shunts, *Suppl. 20*, 42
Pycnodysostosis, 103
Pyloric stenosis, congenital, and nocturnal enuresis, 262 (L)

RANDALL, P. *See* STOOL, S. E., 684
RANTAKALLIO, P.: The optimum birthweight (abstr.), 276
Reading and spelling disabilities, prevention by initial teaching alphabet, 547
— difficulty with minor neurological dysfunction, 493
— epilepsy, primary (abstr.), 827
Reflexes, development of, in Bantu children, 533 (L)
— exteroceptive skin, in newborn infants, state dependency of, 353
— monosynaptic and motoneurone excitability in man, 193
REIHER, J. *See* LAXDAL, T., 755
RENDLE-SHORT, J. *See* CLANCY, H., 432, 569
Residential services for the mentally handicapped, history of, 652
Retardation, later, screening for, early developmental milestones in, 423
Reye's syndrome: ammonia intoxication as a possible factor in the encephalopathy (abstr.), 688
RICHARD, M.: The role of a social worker in counselling and support, 786
RICHNEV, V. E.: The effect of virus hepatitis in pregnancy on the fetus and on child development (abstr.), 129
RITCHIE, G. W. and FLANAGAN, M. N.: Diastematomyelia (abstr.), 687
ROBERTS, G. E. and CLAYTON, B. E.: Some findings arising out of a survey of mentally retarded children: Part II: physical growth and development, 584
ROBERTSON, B.: The intrapulmonary arterial pattern in normal infancy and in transposition of the great arteries (abstr.), 275
ROBINAULT, I.: Guidance to parents of children with cerebral palsy: feedback from their letters, 504
ROBINSON, A.: Sex differences in development, 245
ROBINSON, G. C. *See* KLONOFF, H., 198
ROGERS, K. J. *See* DUBOWITZ, V., 730
ROGERS, S. C.: Epidemiology of stillbirths from congenital abnormalities in England and Wales, 1961–1966: 617
ROSMAN, N. P. *See* MUKHERJEE, S. K., 633
RUX, R. *See* TALKINGTON, L., 579

SAHLMANN, L.: Autism or aphasia? 443
SANDUKOVSKAYA, S. I. *See* BADALYAN, L. O., 828
Sanfilippo syndrome, 485
SCATERILLI, F. and TAROLATO, B.: Neuropathological aspects of the infantile form of Gaucher's disease (abstr.), 407
School athletics, and epilepsy, 244
SCHUBERT, W. K. *See* McINERY, T. K., 685
SCHULTE, F. J. *See* NOLTE, R., 83
SCHULTZ, J.: Chromosome disorders in mental retardation: where chromosomes do count? (abstr.), 683
SCHURR, P. H. *See* CAST, I. P., *Suppl. 20*, 71
— Subdural haematomas and effusions in infancy, 108
SCHWARTZ, A. D. *See* HUTTENLOCHER, P. R., 688
SCHWARTZ, J. F. and KOLENDRIANOS, E. T.: Maple syrup urine disease, 460
SCRUTTON, D. R.: Footprint sequences of normal children under five years old, 44
SEGAR, W. E. *See* STICKLER, G. B., 542
Seizures, 'half and half', 94
— neonatal, prognosis of (abstr.), 685
Sex differences in development, 245
— social class and place in family and in norms for developmental milestones, 413
SHAKESPEARE, R. *See* BRAND, J., 783
SHARRARD, W. J. W.: Reconstructive surgery of major congenital skeletal deformities of the limbs, 153
SHAW, C.-M. and ALVORD, E. C.: Cava septi pellucidi et vergae: their normal and pathological states (abstr.), 540
SHIH, V. E., EFRON, M. L. and MOSER, H. W.: Hyperornithinemia, hyperammonemia and homocitrullinuria: a new disorder of amino acid metabolism associated with myoclonic seizures and mental retardation (abstr.), 688
SHIKOV, N. *See* GATEV, V., 595
SHIN, M. H. *See* STICKLER, G. B., 542
SHULMAN, K. *See* WELLER, R. O., *Suppl. 20*, 1
SIEGFRIED, J. *See* KRAYENBÜHL, H., 684
SIMARD, T. G. and LADD, H. W.: Conscious control of motor units with thalidomide children: an electromyographic study, 743
SIMS, A. C. P. *See* BROOKS, J. H., 262 (L)
SINCLAIR, J. C. and COLDIRON, J. S.: Low birthweight and postnatal physical development, 314
Skin reflexes, exteroceptive, in newborn infants, state dependency of, 353
SKOROGOK, L. M.: The influence of substitution hormonal therapy on the mental development of hypothyroid children (abstr.), 689
Sleep cycles in infants, 794
— deprivation, effects of, on EEGs of epileptic children, 771
SMITH, E. T.: Hip dislocation in cerebral palsy, 291
SMITH, I. S. and BENTLEY, J. F. R.: Pre-operative protection of myeloceles with case vinyl film, *Suppl. 20*, 57
SMITHELLS, R. W.: The whistling face syndrome, 798
SNEDDON, W. *See* CRAWHILL, J. C., 687
Social class, sex and place in family, in norms for developmental milestones, 413
— worker, role of, in counselling and support, 786
SOLITARE, G. B.: The spinal cord of the mongol (abstr.), 542
SON, C. D. *See* FRANKENBURG, W. K., 275
Spasms, lightning, hemispherectomy in a child with (abstr.), 132
Spastic and hyperkinetic conditions, stereotactic surgery of dentate nucleus in (abstr.), 684
Spasticity, cryotherapy technique in (abstr.), 830
— treatment with perineural injections of phenol, 384

Speech impediment, girl with, velopharyngeal incompetence in (abstr.), 684
— of lower-class children, 113 (L)
— oropharyngeal function in relation to, 556
— relation to early diagnosis of deafness, in deaf, maladjusted children, 777
Spelling and reading disabilities, prevention by initial teaching alphabet, 547
Spina bifida, children with, functional disorders of the urinary tract in, *Suppl. 20*, 51
— — hydrocephalus not associated with, clinical and pathological study, *Suppl. 20*, 31
— — urinary problems of, 106
— cystica and anencephaly, recurrence risk in, *Suppl. 20*, 23
— — management of, an appraisal, *Suppl. 20*, 86
— — treatment of hydrocephalus in infants born with, *Suppl. 20*, 13
Spinal canal, in phocomelia and amelia, 330
— cord and brain stem injury, latent, in newborn infants, 54
— — of the mongol (abstr.), 542
STANESCU, V., FLOREA, I. and IONESCU, V.: L-proline loading test in growth disturbances (abstr.), 406
STARK, G. *See* POLLOCK, G. A., 17
STEPHENS, M. C. and MENKES, J. H.: Cerebral lipids in Down's syndrome, 346
Stereotactic surgery of dentate nucleus, in treatment of hyperkinetic and spastic conditions (abstr.), 684
STEWART, R. J. C. *See* PLATT, B. S., 174
STICKLER, G. B. *See* FELDT, R. H., 683
— SHIN, M. H., BURKE, E. C., HOLLEY, K. E., MILLER, R. H. and SEGAR, W. E.: Diffuse glomerulonephritis associated with infected ventriculoatrial shunt (abstr.), 542
Stillbirth, and birth order (abstr.), 406
—epidemiology, from congenital abnormalities in England and Wales, 1961–1966: 617
— neonatal death, and birth interval (abstr.), 405
STIMMLER, L.: A study of human growth hormone, 246
STONE, F. H.: Birth order, intelligence and personality, 647
STOOL, S. E., GRAHAM, W. and RANDALL, P.: Velo-pharyngeal incompetence. Severe underfunctioning in a girl with a speech impediment (abstr.), 684
STRELLING, M. K.: Brain damage from congenital pernicious anaemia, 378
Sturge-Weber disease (abstr.), 828
Subnormal, severely, psychological development after 16 years of age, 783
Sulthiame (ospolot) and phenytoin, interaction between, in treatment of epilepsy (abstr.), 827
Surgery, reconstructive, of skeletal limb deformities, 153
Sweat function in babies with defects of the central nervous system, *Suppl. 20*, 94
Syncopal attacks, cyanotic and pallid, in children, 755
SZEINBERG, A. *See* COHEN, B. E., 96

TABOLIN, V. A., MITROFANOVA, G. P., IVANOVA, N. A. and TATARSKAYA, G. S.: The function of the adrenal cortex in premature infants with intracranial birth injury (abstr.), 131
TAFT, L.: Parents of autistic children, 104
TALKINGTON, L., BURROWS, R. and RUX, R.: The effect of a corrective orthopedic program in severely mentally retarded children, 579
TAROLATO, B. *See* SCATERILLI, F., 407
TASKER, W. G.: The floppy infant—a practical approach to classification, 259 (L)
TATARSKAYA, G. S. *See* TABOLIN, V. A., 131
Teething, 376
TERRY, R. D. *See* WELLER, R. O., *Suppl. 20*, 1
Thalidomide children, conscious control of motor units with: electromyographic study, 743
THELANDER, H. *See* PRYER, H. B., 274
THEORELL, K. *See* PRECHTL, H. F. R., 142
THOMPSON, G. *See* KLONOFF, H., 198
THOMPSON, J. N. *See* DUCKETT, S., 764
THURSBY-PELHAM, D. *See* GORDON, N., 485
TOGUT, M. R., ALLEN, J. E. and LELCHUCK, L.: A psychological exploration of the nonorganic failure-to-thrive syndrome, 601
TOWBIN, A.: Latent spinal cord and brain stem injury in newborn infants, 54
TRESOHLAVA, Z. *See* LESNY, I., 365
Tumours, fatty, related to neurospinal dysraphism, *Suppl. 20*, 62
TURPIN, R. and BERGER, R.: Frequency and possible etiological factors in human chromosome abnormalities (abstr.), 129

UNDERWOOD, J. *See* FORBES, M., *Suppl. 20*, 49
United States of America, child care in, 665
Ureter, dilated, intrinsic innervation of, in children with myelomeningocele, *Suppl. 20*, 49
Ureterostomy, in neurogenic bladder dysfunction in children (abstr.), 405
Urinary problems, of spina bifida, 106
— tract, functional disorders of, in children with spina bifida, *Suppl. 20*, 51
USACHEVA, N. T. and LEBEDEV, B. V.: The character of endogenous amino-acid imbalance in phenylketonuria (abstr.), 829

Valve insufficiency, in ventriculoatrial shunts, *Suppl. 20*, 38
— shunts, physiopathology of CSF pulse and prevention of ventricular catheter obstruction in, *Suppl. 20*, 42
VAN HONG, N. *See* LAZORTHES, Y., 543
Velopharyngeal incompetence, in a girl with a speech impediment (abstr.), 684
Ventricular system, cerebral, size and development of, in childhood (abstr.), 276
Ventriculoatrial shunt, infected, associated with diffuse glomerulonephritis (abstr.), 542
— — use of, with the Pudenz valve, *Suppl. 20*, 71
— — valve insufficiency in, *Suppl. 20*, 38
Ventriculo-cardiac shunt, in the first week of life, *Suppl. 20*, 13
Ventriculography, brain damage by: a contribution to puncture porencephaly (abstr.), 131
Verbal memory, short-term, in hydrocephalic children, *Suppl. 20*, 75
Virus hepatitis, in pregnancy: effect of, on fetus and on child development (abstr.), 129
Vision, double, 242
Visual direction, sense of, in normal subjects and neurological patients, 333

VLACH, V., VON BERNUTH, H. and PRECHTL, H. F. R.: State dependency of exteroceptive skin reflexes in newborn infants, 353
VON BERNUTH, H. *See* VLACH, V., 353

WALSH, E. G.: Sense of visual direction in normal subjects and neurological patients, 333
WEIDMAN, W. H. *See* FELDT, R. H., 683
WEISSE, U. *See* NOLTE, R., 83
WELLER, R. O., WISNIEWSKI, H., ISHII, SHULMAN, K. and TERRY, R. D.: Brain tissue damage in hydrocephalus, *Suppl. 20*, 1
WHATLEY, E.: Record of an illness, *Suppl. 19*
Whistling face syndrome, 798
WHITE, M.: A thousand cases of enuresis: results of treatment (abstr.), 128
WIGGLESWORTH, J. S.: Malnutrition and brain development, 792
WILLIAMS, C. E.: Early diagnosis of deafness and its relation to speech in deaf, maladjusted children, 777
WILLIAMS, P.: Child care and mental handicap, 512
— The history of residential services for the mentally handicapped, 652
WILNER, E., CANNON, J. and BRODY, J. A.: Measles, minor neurological signs and intelligence, 449
WING, L.: A handicapped child in the family, 643
WISNIEWSKI, H. *See* WELLER, R. O., *Suppl. 20*, 1
WITZEL, K.: Hemispherectomy in a child with lightning spasms (abstr.), 132
WOLANSKI, N. *See* ZDANSKA-BRINCKEN, M., 228
WOLSKI, W. and LIGHT, G. S.: Cerebral dysfunction in children: do not procrastinate! (abstr.), 541
WOOD, E. C., BEISCHER, N. A. and BARHAM, K. A.: Use of fetal assessment tests, 608
WOODS, G. E. *See* BRAND, J., 783

Y chromosome, structural anomalies of, 644
YANAGIHARA, T. *See* CUMINGS, J. N., 129
YOUNG, E. P. *See* CRAWHILL, J. C., 687

ZACHARY, R. B. *See* LISTER, J., 405
ZDANSKA-BRINCKEN, M. and WOLANSKI, N.: A graphic method for the evaluation of motor development in infants, 228
ZEGHER, A. de. *See* DUYCK, E.-M., 830

Set and printed in Great Britain by
Tonbridge Printers Ltd, Peach Hall Works, Tonbridge, Kent.